

ABSTRACT

To improve fire resistance, a fire resistant agent is included in a carbon fiber felt constituting a carbon fiber aggregate, and a binder resin for bonding the carbon fiber constituting this aggregate. The fire resistant agent comprises a phosphorus-containing compound, a boron-containing compound, a silicone compound, or the like. The proportion of the fire resistant agent is about 1 to 30 parts by weight relative to 100 parts by weight of the carbon fiber. The obtained carbon fiber felt and a heat insulating material formed by the felt are excellent in fire resistance.